

From: [Michael Overbay](#)
To: [Jeanne Briskin](#)
Cc: [David Jewett](#); [Doug Beak](#); [Ramona Trovato](#)
Subject: Re: Follow-up on today's call with Chesapeake site selection and other issues
Date: 02/17/2012 05:09 PM

Thanks for the info Jeanne. I will send an email to Stephanie about this saying that if she would like to provide a specific question about this, we can consider that, but that our QA documents are the definitive answer and we don't anticipate providing any further information at this time. Doug and Dave will be going with Stephanie and John on Wednesday to visit the site in OK, and should be prepared to hear from her on that.

(b) (5)

A large rectangular area of the document has been redacted with a solid black box. The text "(b) (5)" is written in red at the top left of this redacted area.

Michael Overbay, P.G.
Regional Ground Water Center Coordinator
U.S. Environmental Protection Agency - Region 6
(214)665-6482
(214)665-2191 (FAX)
Visit the Ground Water Center on the web at:
www.epa.gov/earth1r6/6wq/swp/groundwater/gw.htm

▼ Jeanne Briskin---02/17/2012 01:49:24 PM---Hi Mike, Thanks for the follow up information. At the meeting, we agreed to provide Chesapeake with

From: Jeanne Briskin/DC/USEPA/US
To: Michael Overbay/R6/USEPA/US@EPA
Cc: David Jewett/ADA/USEPA/US@EPA, Doug Beak/ADA/USEPA/US@EPA, Ramona Trovato/DC/USEPA/US@EPA
Date: 02/17/2012 01:49 PM
Subject: Follow-up on today's call with Chesapeake site selection and other issues

Hi Mike,
Thanks for the follow up information. At the meeting, we agreed to provide Chesapeake with the reference for where the definition of critical and non-critical analytes came from. I provided that reference (the HF QMP) to Chesapeake in person in our meeting, and followed up with an email on 2/8 to indicate that the information was found on page 30 of the QMP. I indicated in the email that we therefore had completed our commitment.

(b) (5)

A large rectangular area of the document has been redacted with a solid black box. The text "(b) (5)" is written in red at the top left of this redacted area.

(b) (5)

thanks,

Jeanne

-----Michael Overbay/R6/USEPA/US wrote: -----

To: Jeanne Briskin/DC/USEPA/US@EPA, Ramona

Trovato/DC/USEPA/US@EPA

From: Michael Overbay/R6/USEPA/US

Date: 02/17/2012 02:21PM

Cc: Doug Beak/ADA/USEPA/US@EPA, David

Jewett/ADA/USEPA/US@EPA

Subject: Follow-up on today's call with Chesapeake site selection and other issues

Hi Jeanne and Ramona,

We have been working with Chesapeake on selecting a new site, and are moving forward on that fairly well. We have narrowed it down to two sites, one in Oklahoma and one in Kansas, which are about 14 miles apart. Doug, Dave and Carl Miller will do a site visit on Wednesday, Feb. 22, to view both sites. (b) (5)

Last week, in their offices, we also reviewed sites in the Colony Wash formation in western Oklahoma, and the Eagle Ford in south Texas. Those areas were not acceptable because of surface geology issues, including thick shales/clays near the surface, lack of shallow aquifers altogether, or karstic settings. While we did review about a dozen sites overall, they were all located in just a few areas. (b) (5)

(b) (5)

Two issues came up on today's call you need to be aware of:

1. Stephanie said she thought that the two of you (J & R) had committed in the Washington DC meeting on Feb. 6 to providing her more definitive information on the distinctions between critical and non-critical data and how it would be used. I told her I did not recall that being a commitment, but that I would check with you. (b) (5)

2. Regarding the design of wells using either a horizontal or inclined well, (b) (5) They are really pushing for us to show them drawings from sites where horizontal wells have been used before, and have said that "this is not a research project on using horizontal wells." (b) (5)

We have tasked our contractors with providing conceptual drawings of three types of wells: a) vertical wells off the pad; b) vertical wells completed before the pad is constructed and plumbed off the pad for sampling; and c) inclined and horizontal wells. They are scheduled to get those designs to us next Friday, and we will share with Chesapeake ASAP. I also floated again that we can use temporary wells drilled before the pad is constructed, then abandoned and re-installed and after drilling the gas well. However, while Stephanie and I did agree that if the ground water flow velocity is sufficient to reach our off-pad wells with-in 6 months that we will use vertical wells, they still are not committing to allowing an alternative well design under the pad. We will get them designs shortly. (b) (5)

We have a call with our contractors at 2:00 pm Central today to get an update, and will ask them if the drillers they have contacted can point us to any sites with horizontal monitoring wells. Plus, I will request the EPA Ground Water Forum (a SF/RCRA national Technical Support Project work group) for more information if they can provide it.

Have a good holiday.

Mike

Michael Overbay, P.G.
Regional Ground Water Center Coordinator
U.S. Environmental Protection Agency - Region 6
(214)665-6482
(214)665-2191 (FAX)
Visit the Ground Water Center on the web at:
www.epa.gov/earth1r6/6wq/swp/groundwater/gw.htm